



UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE
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SOFTWARE PRODUCT MANAGEMENT

STANLEY'S PROBLEM: PART 5

Release Plan



The Release Plan

Stanley's project is feature-driven: he wants some certain functionality to be completed before releasing it to the globe. That does not mean he doesn't care about deadlines. He still wants his project to be released as soon as possible but release date is negotiable.

Now it's time to allocate stories into each sprint and create a release plan.

Recall that the sum of the estimates for all user stories is 57 and our estimated velocity is 20 story points per sprint. Stanley wants the website to be available in about six weeks. You and the team decide to use two-week interactions, so there will be three sprints before the proposed deadline.

(Note: You can obtain a list of [estimated user stories](#) here).

Allocating stories to the First Sprint

The sum of estimates of **Stanley's Must-Have stories** is 14. That means, Stanley can pick some stories from his "Should-Have" list as well.

Stanley could pick US 7, which has 5 story points, and one of US 2, 3, 4, for the remaining 1 point. However, since US 7 and 8 are highly-related, and will likely be implemented in a sequence, Stanley is wondering if the team would allow $14+5+2 = 21$ points.

The velocity and the estimation are all educated guesses; therefore, some teams may allow it.

However, since the team will be using something new for the first time (BaaS) and need some data before implementing the search completely, they decide to not allow 21 points.

Stanley understands this decision and picks US 2, 3, 4 and 15 instead. This leads to $14+1+1+1+2 = 19$ points, which is close enough to 20 points.



This makes the first sprint looks like this:

SPRINT 1			
US #	Backlog	Priority	Estimate
US 9	As a developer, I want to sign up for an account, so that I can start activities that only registered users can perform.	Must-Have	2
US 13	As an account holder, I want to post questions, so that I can receive answers from other developers.	Must-Have	2
US 14	As an account holder, I want to be able to respond to questions, so that I can assist other developers.	Must-Have	2
US 1	As a developer, I want to be able to browse questions, so that I can look for questions that interest me.	Must-Have	2
US 6	As a developer, I want to be able perform a simple search for questions that match keywords in both the title and body fields, so that I can find related questions.	Must-Have	3
US 10	As a developer, I want to sign in with an email and password, so that I can start activities that only registered users can perform.	Must-Have	2
US 20	As an account holder, I want to be able to log out of my account, so that I can keep my account safe.	Must-Have	1
US 2	As a developer, I want to be able to up-vote good questions, so that developers know that this is a good solution.	Should-Have	1
US 3	As a developer, I want to be able to down-vote bad questions, so that developers don't follow this advice.	Should-Have	1
US 4	As a developer, I want answers to questions to be sorted by validity (# of up-votes), so that the best answers appear near the top.	Should-Have	1
US 15	As an account holder, I want to be able to comment on answers, so that I can elaborate on or ask questions about an answer.	Should-Have	2
	Total Story points for Sprint 1		19



The Final Release Plan

The team and Stanley continue picking stories for later iterations. For the rest of Stanley's Should-Have stories, the sum of estimates is 19. In the list of Stanley's Could-Have stories, he picked one 1 point story, US 11, to complete the second iteration:

SPRINT 2			
US #	Backlog	Priority	Estimate
US 7	As a developer, I want to be able to perform a full-text search of the question title, body, author, and category, so that I can find precisely what I want.	Should-Have	5
US 8	As a developer, I want to search for questions by category (eg. AI, Algorithms, Software Development etc.), so that I can quickly find what I'm looking for.	Should-Have	2
US 16	As an account holder, I want to receive notification when someone answers my question, so that I can check a potential solution right away.	Should-Have	3
US 17	As an account holder, I want to bookmark a question that I find useful, so that I can navigate back to it when needed.	Should-Have	2
US 18	As an account holder, I want to put a question into a watchlist, so that I can get notifications when someone answers it.	Should-Have	2
US 19	As an account holder, I want to receive notification when someone answers a question in my watchlist, so that I can check a potential solution right away.	Should-Have	3
US 21	As an account holder, I want my profile page to show the questions that I have asked or responded to so that others can see what I've posted.	Should-Have	2
US 11	As a developer, I want to sign in with my Google account, so that I don't have to remember yet another username and password.	Could-Have	1
Total Story points for Sprint 2			20



And automatically, everything left is placed into the last sprint.

SPRINT 3			
US #	Backlog	Priority	Estimate
US 12	As a developer, I want to sign in with my Github account, so that I don't have to remember yet another username and password.	Could-Have	1
US 5	As a developer, I want to see a list of similar questions to the one I am viewing, so that I can find a solution faster.	Could-Have	8
US 22	As an account holder, I want to update my profile picture, so that people can see what I look like.	Could-Have	3
US 23	As an account holder, I want to invite another user to answer one question, so that a question can be solved faster.	Won't-Have	3
US 24	As an account holder, I want to receive notification when someone invites me to answer a question, so that I can respond to it faster.	Won't-Have	3
	Total Story points for Sprint 3		18

